

**Record 10: JP7309981A****(ENG) ETHYLENE COPOLYMER COMPOSITION****Assignee:** MITSUI PETROCHEMICAL IND

[ no drawing available]

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**Abstract:** (ENG) <sec>PURPOSE: To obtain an ethylene copolymer composition improved in moldability, optical properties and mechanical strengths by mixing a specified ethylene/&alpha;-olefin copolymer composition with a low-density PE. CONSTITUTION: 99-60wt.% mixture of 20-90wt.% ethylene/3-20C &alpha;-olefin copolymer formed in the presence of a catalyst comprising an organoaluminumoxy compound (a), 99-80mol% transition metal compound (b) of formula I and 1-20mol% transition metal compound (c) of formula II, having a density of 0.850-0.980g/cm<sup>3</sup> and an intrinsic viscosity of 0.4-8dl/g and satisfying the relationship of formula III [wherein MT (g) is the melt tension, and MFR (g/10min) is the melt flow rate] with 80-10wt.% ethylene/3-20C &alpha;-olefin copolymer formed in the presence of component (a) and a compound (d) of a transition metal of group IV in the periodic table, containing ligands each having a cyclopentadienyl skeleton and having a density of 0.850-0.980g/cm<sup>3</sup> and an intrinsic viscosity of 0.4-8dl/g is mixed with a low-density PE having an MFR of 0.01-100g/10min. </sec>

**Priority Data:** JP 10421794 19940518 A X;**IPC (International Class):** C08L02308; C08F004642; C08F21016; C08L02308; C08L023